

Final DRAFT CAAPP PERMIT
Natural Gas pipeline Co. of America
I.D. No.: 197817AAA
Application No. : 02120051
October 6, 2003

217/782-2113

TITLE V - CLEAN AIR ACT PERMIT PROGRAM (CAAPP) PERMIT
and
TITLE I PERMIT¹

PERMITTEE

Natural Gas Pipeline Company of America
Attn: Kristine Akridge
370 Van Gordon Street
Lakewood, Colorado 80228-8304

<u>Application No.:</u> 02120051	<u>I.D. No.:</u> 197817AAA
<u>Applicant's Designation:</u>	<u>Date Received:</u> December 20, 2002
<u>Operation of:</u> Natural Gas Transmission Station	
<u>Date Issued:</u>	<u>Expiration Date</u> ² : DATE
<u>Source Location:</u> 23725 W. County Farm Road, R.R. 8, Shorewood, Will County	
<u>Responsible Official:</u> Joseph McLaughlin, Operations Director, North Region	

This permit is hereby granted to the above-designated Permittee to operate a natural gas transmission station, pursuant to the above referenced permit application. This permit is subject to the conditions contained herein.

If you have any questions concerning this permit, please contact Kunj Patel at 217/782-2113.

Donald E. Sutton, P.E.
Manager, Permit Section
Division of Air Pollution Control

DES:CRR:KMP

cc: Illinois EPA, FOS, Region 1
USEPA

¹This permit contains terms and conditions which address the applicability, and compliance if determined applicable, of Title I of the CAA and regulations promulgated thereunder, including 40 CFR 52.21 - federal PSD and 35 IAC Part 203 - Major Stationary Sources Construction and Modification. Any such terms and conditions are identified within this permit.

²Except as provided in Condition 8.7 of this permit.

TABLE OF CONTENTS

	<u>PAGE</u>
1.0 SOURCE IDENTIFICATION	4
1.1 Source	
1.2 Owner/Parent Company	
1.3 Operator	
1.4 General Source Description	
2.0 LIST OF ABBREVIATIONS/ACRONYMS USED IN THIS PERMIT	5
3.0 INSIGNIFICANT ACTIVITIES	6
3.1 Identification of Insignificant Activities	
3.2 Compliance with Applicable Requirements	
3.3 Addition of Insignificant Activities	
4.0 SIGNIFICANT EMISSION UNITS AT THIS SOURCE	8
5.0 OVERALL SOURCE CONDITIONS	9
5.1 Source Description	
5.2 Applicable Regulations	
5.3 Non-Applicability of Regulations of Concern	
5.4 Source-Wide Operational and Production Limits and Work Practices	
5.5 Source-Wide Emission Limitations	
5.6 General Recordkeeping Requirements	
5.7 General Reporting Requirements	
5.8 General Operational Flexibility/Anticipated Operating Scenarios	
5.9 General Compliance Procedures	
6.0 EMISSIONS CONTROL PROGRAMS	14
6.1 Emission Reduction Market System	
7.0 UNIT SPECIFIC CONDITIONS	16
7.1 Turbines -Natural Gas Fired	
8.0 GENERAL PERMIT CONDITIONS	22
8.1 Permit Shield	
8.2 Applicability of Title IV Requirements	
8.3 Emissions Trading Programs	
8.4 Operational Flexibility/Anticipated Operating Scenarios	
8.5 Testing Procedures	
8.6 Reporting Requirements	
8.7 Obligation to Comply with Title I Requirements	
9.0 STANDARD PERMIT CONDITIONS	27
9.1 Effect of Permit	
9.2 General Obligations of Permittee	

- 9.3 Obligation to Allow Illinois EPA Surveillance
- 9.4 Obligation to Comply with Other Requirements
- 9.5 Liability
- 9.6 Recordkeeping
- 9.7 Annual Emissions Report
- 9.8 Requirements for Compliance Certification
- 9.9 Certification
- 9.10 Defense to Enforcement Actions
- 9.11 Permanent Shutdown
- 9.12 Reopening And Reissuing Permit For Cause
- 9.13 Severability Clause
- 9.14 Permit Expiration and Renewal

10.0 ATTACHMENTS

- 10.1 Attachment 1 - Example Certification by a Responsible Official 1-1
- 10.2 Attachment 2 - Guidance 2-1

1.0 SOURCE IDENTIFICATION

1.1 Source

Natural Gas Pipeline Company of America -Station 113
23725 West County Farm Road, R.R. 8
Shorewood, IL 60431

I.D. No.: 197817AAA
Standard Industrial Classification: 4922, Gas Production and
Distribution -Natural
Gas Transmission

1.2 Owner/Parent Company

Natural Gas Pipeline Company of America/ Horizon Pipeline, LLC
747 East 22nd Street
Lombard, Illinois 60148

1.3 Operator

Natural Gas Pipeline Company of America
370 Van Gordon Street
Lakewood, Colorado 80228-8304

Kristine Akridge
303-914-7819

1.4 General Source Description

Natural Gas Pipeline Company of America's Station 113 is located at 23725 West County Farm Road, R.R. 8, near Shorewood city, in Will County. The source operates natural gas fired turbines to power gas compressors used to transmit natural gas through the pipe line at this station.

2.0 LIST OF ABBREVIATIONS/ACRONYMS USED IN THIS PERMIT

ACMA	Alternative Compliance Market Account
Act	Illinois Environmental Protection Act [415 ILCS 5/1 et seq.]
AP-42	Compilation of Air Pollutant Emission Factors, Volume 1, Stationary Point and Other Sources (and Supplements A through F), USEPA, Office of Air Quality Planning and Standards, Research Triangle Park, NC 27711
ATU	Allotment Trading Unit
BAT	Best Available Technology
Btu	British thermal unit
CAA	Clean Air Act [42 U.S.C. Section 7401 et seq.]
CAAPP	Clean Air Act Permit Program
CAM	Compliance Assurance Monitoring
CFR	Code of Federal Regulations
EGU	electrical generating unit(s)
ERMS	Emissions Reduction Market System (35 IAC Part 205)
HAP	Hazardous Air Pollutant
Hr	Hour
IAC	Illinois Administrative Code
I.D. No.	Identification Number of Source, assigned by Illinois EPA
ILCS	Illinois Compiled Statutes
Illinois EPA	Illinois Environmental Protection Agency
Kw	Kilowatts
LAER	Lowest Achievable Emission Rate
Lb	Pound
MACT	Maximum Achievable Control Technology
mmBtu	Million British thermal units
Mg	megagram or metric ton
MW	Megawatts
NESHAP	National Emission Standards for Hazardous Air Pollutants
NO _x	Nitrogen Oxides
NSPS	New Source Performance Standards
NSSA	new source set-aside
ORIS	Office of Regulatory Information System
PM	Particulate Matter
PM ₁₀	Particulate matter with an aerodynamic diameter less than or equal to a nominal 10 microns as measured by applicable test or monitoring methods
ppm	parts per million
PSD	Prevention of Significant Deterioration (40 CFR 52.21)
RMP	Risk Management Plan
SO ₂	Sulfur Dioxide
T	ton (2000 pounds)
T1	Title I - identifies Title I conditions that have been carried over from an existing permit
T1N	Title I New - identifies Title I conditions that are being established in this permit
T1R	Title I Revised - identifies Title I conditions that have been carried over from an existing permit and subsequently revised in this permit
USEPA	United States Environmental Protection Agency
VOM	Volatile Organic Material

3.0 INSIGNIFICANT ACTIVITIES

3.1 Identification of Insignificant Activities

The following activities at the source constitute insignificant activities as specified in 35 IAC 201.210:

- 3.1.1 Activities determined by the Illinois EPA to be insignificant activities, pursuant to 35 IAC 201.210(a) (1) and 201.211, as follows:

250 gallon gasoline storage tank
3.0 mmBtu/hr natural gas fired boiler
Two(2)-flares used for odor abatement purposes from odorant storage tanks

- 3.1.2 Activities that are insignificant activities based upon maximum emissions, pursuant to 35 IAC 201.210(a) (2) or (a) (3), as follows:

None

- 3.1.3 Activities that are insignificant activities based upon their type or character, pursuant to 35 IAC 201.210(a) (4) through (18), as follows:

Direct combustion units designed and used for comfort heating purposes and fuel combustion emission units as follows: (A) Units with a rated heat input capacity of less than 2.5 mmBtu/hr that fire only natural gas, propane, or liquefied petroleum gas; (B) Units with a rated heat input capacity of less than 1.0 mmBtu/hr that fire only oil or oil in combination with only natural gas, propane, or liquefied petroleum gas; and (C) Units with a rated heat input capacity of less than 200,000 Btu/hr which never burn refuse, or treated or chemically contaminated wood [35 IAC 201.210(a) (4)].

Storage tanks of organic liquids with a capacity of less than 10,000 gallons and an annual throughput of less than 100,000 gallons per year, provided the storage tank is not used for the storage of gasoline or any material listed as a HAP pursuant to Section 112(b) of the CAA [35 IAC 201.210(a) (10)].

Storage tanks of any size containing virgin or re-refined distillate oil, hydrocarbon condensate from natural gas pipeline or storage systems, lubricating oil, or residual fuel oils [35 IAC 201.210(a) (11)].

Gas turbines and stationary reciprocating internal combustion engines of less than 112 kW (150 horsepower) power output [35 IAC 201.210(a) (15)].

3.1.4 Activities that are considered insignificant activities pursuant to 35 IAC 201.210(b).

3.2 Compliance with Applicable Requirements

Insignificant activities are subject to applicable requirements notwithstanding status as insignificant activities. In particular, in addition to regulations of general applicability, such as 35 IAC 212.301 and 212.123 (Condition 5.2.2), the Permittee shall comply with the following requirements, as applicable:

- 3.2.1 For each cold cleaning degreaser, the Permittee shall comply with the applicable equipment and operating requirements of 35 IAC 218.182.
- 3.2.2 For each particulate matter process emission unit, the Permittee shall comply with the applicable particulate matter emission limit of 35 IAC 212.321 or 212.322. For example, the particulate matter emissions from a process emission unit shall not exceed 0.55 pounds per hour if the emission unit's process weight rate is 100 pounds per hour or less, pursuant to 35 IAC 266.110.
- 3.2.3 For each organic material emission unit that uses organic material, e.g., a mixer or printing line, the Permittee shall comply with the applicable VOM emission limit of 35 IAC 218.301, which requires that organic material emissions not exceed 8.0 pounds per hour or do not qualify as photochemically reactive material as defined in 35 IAC 211.4690.

3.3 Addition of Insignificant Activities

- 3.3.1 The Permittee is not required to notify the Illinois EPA of additional insignificant activities present at the source of a type that is identified in Condition 3.1, until the renewal application for this permit is submitted, pursuant to 35 IAC 201.212(a).
- 3.3.2 The Permittee must notify the Illinois EPA of any proposed addition of a new insignificant activity of a type addressed by 35 IAC 201.210(a) and 201.211 other than those identified in Condition 3.1, pursuant to Section 39.5(12)(b) of the Act.
- 3.3.3 The Permittee is not required to notify the Illinois EPA of additional insignificant activities present at the source of a type identified in 35 IAC 201.210(b).

4.0 SIGNIFICANT EMISSION UNITS AT THIS SOURCE

Emission Unit (Model #)	Description	Year Constructed/Last Modified	Emission Control Equipment
ENG #1 through 9 (10-T1400)	Natural gas fired turbines each with maximum heat input capacity of 16.75 million Btu/hr	2002	None
ENG #10 (70-T10301S)	Natural gas fired turbine with maximum heat input capacity of 72.7 million Btu/hr	2002	Low-NO _x burners

5.0 OVERALL SOURCE CONDITIONS

5.1 Source Description

- 5.1.1 This permit is issued based on the source requiring a CAAPP permit as a major source of NO_x and CO emissions.
- 5.1.2 This permit is issued based on the source not being a major source of HAPs.

5.2 Applicable Regulations

- 5.2.1 Specific emission units at this source are subject to particular regulations as set forth in Section 7 (Unit-Specific Conditions) of this permit.
- 5.2.2 In addition, emission units at this source are subject to the following regulations of general applicability:
 - a. No person shall cause or allow the emission of fugitive particulate matter from any process, including any material handling or storage activity, that is visible by an observer looking generally overhead at a point beyond the property line of the source unless the wind speed is greater than 40.2 kilometers per hour (25 miles per hour), pursuant to 35 IAC 212.301 and 212.314.

Compliance with this requirement is considered to be assured by the inherent nature of operations at this source, as demonstrated by historical operation.
 - b. No person shall cause or allow the emission of smoke or other particulate matter, with an opacity greater than 30 percent, into the atmosphere from any emission unit other than those emission units subject to the requirements of 35 IAC 212.122, pursuant to 35 IAC 212.123(a), except as allowed by 35 IAC 212.123(b) and 212.124.

5.2.3 Ozone Depleting Substances

The Permittee shall comply with the standards for recycling and emissions reduction of ozone depleting substances pursuant to 40 CFR Part 82, Subpart F, except as provided for motor vehicle air conditioners in Subpart B of 40 CFR Part 82:

- a. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156.
- b. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158.

- c. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.

5.2.4 Risk Management Plan (RMP)

Should this stationary source pursuant to 40 CFR 68.215(a)(2)(i) and (ii), as defined in 40 CFR 68.3, become subject to the federal rules for Chemical Accident Prevention in 40 CFR Part 68, then the owner or operator shall submit:

- a. A compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR 68.10(a); or
- b. A certification statement that the source is in compliance with all applicable requirements of 40 CFR Part 68, including the registration and submission of the RMP, as part of the annual compliance certification required by Condition 9.8.

5.2.5 Future Emission Standards

- a. Should this stationary source become subject to any regulation(s) under 40 CFR Part 60, 61, 63, or 35 IAC Subtitle B after the date issued of this permit, then the Permittee shall, in accordance with such regulation(s), comply with the applicable requirements by the date(s) specified and shall certify compliance with the applicable requirements of such regulation(s) as part of the annual compliance certification required by Condition 9.8.

Note: This permit may also have to be revised or reopened to address such new regulations. (See Condition 9.12.2.)

- b. No later than upon the submittal for renewal of this permit, the owner or operator shall submit, as part of an application, the necessary information to address either the non-applicability of, or demonstrate compliance with all applicable regulations under 40 CFR Parts 60, 61, or 63, or 35 IAC Subtitle B that were promulgated after the date issued of this permit.

5.2.6 Episode Action Plan

- a. If the source is required to have an episode action plan pursuant to 35 IAC 244.142, the Permittee shall maintain at the source and have on file with the Illinois EPA a written episode action plan (plan) for reducing the levels of emissions during yellow alerts, red alerts, and emergencies, consistent with safe operating procedures. The plan shall contain the information specified in 35 IAC 244.144.

- b. The Permittee shall immediately implement the appropriate steps described in this plan should an air pollution alert or emergency be declared.
- c. If an operational change occurs at the source that invalidates the plan, a revised plan shall be submitted to the Illinois EPA for review within 30 days of the change, pursuant to 35 IAC 244.143(d). Such plans shall be further revised if disapproved by the Illinois EPA.
- d. For sources required to have a plan pursuant to 35 IAC 244.142, a copy of the original plan and any subsequent revisions shall be sent to:
 - i. Illinois EPA, Compliance Section.

5.3 Non-Applicability of Regulations of Concern

- 5.3.1 This permit is issued based on the source not being subject to 40 CFR Part 64, Compliance Assurance Monitoring (CAM) for Major Stationary Sources, because the source does not have a pollutant-specific emissions unit that uses an add-on control device to achieve compliance with an emission limitation or standard.

5.4 Source-Wide Operational and Production Limits and Work Practices

In addition to the source-wide requirements in the Standard Permit Conditions in Section 9, the Permittee shall fulfill the following source-wide operational and production limitations and/or work practice requirements:

None

5.5 Source-Wide Emission Limitations

5.5.1 Permitted Emissions for Fees

The annual emissions from the source, not considering insignificant activities as addressed by Section 3.0 of this permit, shall not exceed the following limitations. The overall source emissions shall be determined by adding emissions from all emission units. Compliance with these limits shall be determined on a calendar year basis. These limitations (Condition 5.5.1) are set for the purpose of establishing fees and are not federally enforceable. Compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months (running 12 month total).

Permitted Emissions of Regulated Pollutants

Pollutant	Tons/Year
Volatile Organic Material (VOM)	4.93
Sulfur Dioxide (SO ₂)	2.67
Particulate Matter (PM)	5.18
Nitrogen Oxides (NO _x)	183.6
HAP, not included in VOM or PM	
TOTAL	196.4

5.5.2 Emissions of Hazardous Air Pollutants (HAPs)

This permit is issued based on the emissions of HAPs as listed in Section 112(b) of the CAA not being equal to or exceeding 10 tons per year of a single HAP or 25 tons per year of any combination of such HAPs, so that this source is considered a minor source for HAPs.

5.5.3 Other Source-Wide Emission Limitations

Other source-wide emission limitations are set for this source pursuant to the federal rules for Prevention of Significant Deterioration (PSD), 40 CFR 52.21, in Section 7 of this permit.

5.6 General Recordkeeping Requirements

5.6.1 General Emission Records

The Permittee shall maintain records of the following items for the source to demonstrate compliance with Condition 5.5.1, pursuant to Section 39.5(7)(b) of the Act:

Total annual emissions on a calendar year basis for the emission units covered by Section 7 (Unit Specific Conditions) of this permit.

5.6.2 Records for Emissions

The Permittee shall maintain records for the source to prepare its Annual Emission Report including the following items, pursuant to Section 39.5(7)(b) of the Act:

Records of annual emissions from the emission units that are covered by Section 7 (Unit Specific Conditions) of this permit.

5.6.3 Records for Operating Scenarios

None

5.6.4 Retention and Availability of Records

- a. All records and logs required by this permit shall be retained for at least five years from the date of

entry (unless a longer retention period is specified by the particular recordkeeping provision herein), shall be kept at a location at the source that is readily accessible to the Illinois EPA or USEPA, and shall be made available for inspection and copying by the Illinois EPA or USEPA upon request.

- b. The Permittee shall retrieve and print, on paper during normal source office hours, any records retained in an electronic format (e.g., computer) in response to an Illinois EPA or USEPA request for records during the course of a source inspection.

5.7 General Reporting Requirements

5.7.1 General Source-Wide Reporting Requirements

The Permittee shall promptly notify the Illinois EPA, of deviations of the source with the permit requirements, pursuant to Section 39.5(7)(f)(ii) of the Act. Reports shall describe the probable cause of such deviations, and any corrective actions or preventive measures taken.

- i. For emissions units that are addressed by the unit-specific conditions of this permit, the timing for reporting of deviations shall be in accordance with such conditions.
- ii. A. For other emissions units and activities at the source, the timing for reporting of deviations shall be in accordance with the provisions of relevant regulations if such provisions address timing of deviation reports.

B. Otherwise, if the relevant regulations do not address timing of deviation reports, deviation reports shall be submitted within 30 days.

5.7.2 Annual Emissions Report

The annual emissions report required pursuant to Condition 9.7 shall contain emissions information for the previous calendar year, including information on emissions of hazardous air pollutants, as specified by 35 IAC Part 254 (see also condition 9.7).

5.8 General Operational Flexibility/Anticipated Operating Scenarios

None

5.9 General Compliance Procedures

5.9.1 General Procedures for Calculating Emissions

Compliance with the source-wide emission limits specified in Condition 5.5 shall be based on the recordkeeping and reporting requirements of Conditions 5.6 and 5.7, and

Compliance Procedures in Section 7 (Unit Specific
Conditions) of this permit.

6.0 EMISSIONS CONTROL PROGRAMS

6.1 Emissions Reduction Market System (ERMS)

6.1.1 Description of ERMS

The ERMS is a "cap and trade" market system for major stationary sources located in the Chicago ozone nonattainment area. It is designed to reduce VOM emissions from stationary sources to contribute to reasonable further progress toward attainment, as required by Section 182(c) of the CAA.

The ERMS addresses VOM emissions during a seasonal allotment period from May 1 through September 30. Participating sources must hold "allotment trading units" (ATUs) for their actual seasonal VOM emissions. Each year participating sources are issued ATUs based on allotments set in the sources' CAAPP permits. These allotments are established from historical VOM emissions or "baseline emissions" lowered to provide the emissions reductions from stationary sources required for reasonable further progress.

By December 31 of each year, the end of the reconciliation period following the seasonal allotment period, each source shall have sufficient ATUs in its transaction account to cover its actual VOM emissions during the preceding season. A transaction account's balance as of December 31 will include any valid ATU transfer agreements entered into as of December 31 of the given year, provided such agreements are promptly submitted to the Illinois EPA for entry into the transaction account database. The Illinois EPA will then retire ATUs in sources' transaction accounts in amounts equivalent to their seasonal emissions. When a source does not appear to have sufficient ATUs in its transaction account, the Illinois EPA will issue a notice to the source to begin the process for Emissions Excursion Compensation.

In addition to receiving ATUs pursuant to their allotments, participating sources may also obtain ATUs from the market, including ATUs bought from other participating sources and general participants in the ERMS that hold ATUs (35 IAC 205.630) and ATUs issued by the Illinois EPA as a consequence of VOM emissions reductions from an Emissions Reduction Generator or an Intersector Transaction (35 IAC 205.500 and 35 IAC 205.510). During the reconciliation period, sources may also buy ATUs from a secondary reserve of ATUs managed by the Illinois EPA, the "Alternative Compliance Market Account" (ACMA) (35 IAC 205.710). Sources may also transfer or sell the ATUs that they hold to other sources or participants (35 IAC 205.630).

6.1.2 Applicability

This permit is issued based on this source not being a participating source in the Emissions Reduction Market System (ERMS), 35 IAC Part 205, pursuant to 35 IAC 205.200. This is based on the source's actual VOM emissions during the seasonal allotment period from May 1 through September 30 of each year being less than 10 tons and the source's baseline emissions also being less than 10 tons.

6.1.3 Recordkeeping and Reporting

- a. The Permittee shall maintain the following records to allow the confirmation of actual VOM emissions during the seasonal allotment period:
 - i. Records of operating data and other information for each individual emission unit or group of related emission units at the source, as specified in Sections 5 and 7 of this permit, as appropriate, to determine actual VOM emissions during the seasonal allotment period;
 - ii. Records of the VOM emissions, in tons, during the seasonal allotment period, with supporting calculations, for each individual emission unit or group of related emission units at the source, determined in accordance with the procedures specified in Sections 5 and 7 of this permit; and
 - iii. Total VOM emissions from the source, in tons, during each seasonal allotment period, which shall be compiled by November 30 of each year.
- b. In the event that the source's VOM emissions during the seasonal allotment period equal or exceed 10 tons, the source shall become a participating source in the ERMS and beginning with the following seasonal allotment period, shall comply with 35 IAC Part 205, by holding allotment trading units (ATUs) for its VOM emissions during each seasonal allotment period, unless the source obtains exemption from the ERMS by operating with seasonal VOM emissions of no more than 15 tons pursuant to a limitation applied for and established in its CAAPP permit.

7.0 UNIT SPECIFIC CONDITIONS

7.1 Turbines

7.1.1 Description

The Permittee operates nine (9) -identical Solar Saturn turbines each rated at 1,400 Hp capacity, and one (1) - Solar Taurus turbine rated at 10,300 Hp to power natural gas compressors used to raise the pressure of the natural gas and move it along the pipeline, transporting natural gas from production areas to utilities and other customers. All turbines are fired with natural gas only and each turbine exhaust to a separate stack.

7.1.2 List of Emission Units and Air Pollution Control Equipment

Emission Unit (Model #)	Description	Year Constructed/ Modified	Emission Control Equipment
ENG-1 through ENG-9 (10-T1400)	Natural gas fired turbines each with maximum heat input capacity of 16.75 million Btu/hr	2002	None
ENG #10 (70-T10301S)	Natural gas fired turbine equipped with Low-NO _x burners and has maximum heat input capacity of 72.7 million Btu/hr	2002	None

7.1.3 Applicability Provisions and Applicable Regulations

- a. An "affected turbines" for the purpose of these unit-specific conditions, are the turbines described in Conditions 7.1.1 and 7.1.2.
- b. The affected turbines are subject to the emission standards identified in Condition 5.2.2(b).
- c. The affected turbines are subject to the New Source Performance Standard (NSPS) for Stationary Gas Turbines, 40 CFR 60, Subparts A and GG. The Illinois EPA is administrating NSPS in Illinois on behalf of the USEPA under a delegation agreement. Pursuant to the NSPS the affected turbines are subject to the following:
 - i. Standard for Nitrogen Oxides:

The affected turbines shall not emit any gases that contain nitrogen oxides (NO_x) in excess of the following equation, Pursuant to 40 CFR

60.332(a)(2), except as allowed by 40 CFR
60.332(k):

$$\text{STD} = 0.0150 \text{ (14.4/Y)}$$

Where:

STD = Allowable NO_x emissions (percent by volume at 15 percent oxygen and on a dry basis).

Y = Manufacturer's rated heat rate at manufacturer's rated load (kilojoules per watt hour) or, actual measured heat rate based on lower heating value of fuel as measured at actual peak load for the facility. The value of Y shall not exceed 14.4 kilojoules per watt hour.

ii. Standard for Sulfur Dioxide

The affected turbines shall not emit any gases that contain sulfur dioxide in excess of 0.015 percent by volume at 15 percent oxygen and on a dry basis, or the affected turbines shall not burn any fuel which contains sulfur in excess of 0.8 percent by weight, pursuant to 40 CFR 60.333 (a) and (b).

7.1.4 Non-Applicability of Regulations of Concern

- a. The Illinois EPA has determined that the affected turbines are not subject to the requirements of 35 IAC 212.321, because due to the nature of such unit, this rule can not reasonably be applied.
- b. The affected turbines are not subject to 35 IAC 216.121 because the affected turbines are not by definition the fuel combustion units.
- c. The affected turbines are not subject to the requirements of the NO_x Compliance Programs of 35 IAC Part 217 because the affected turbines have nameplate capacity less than 25 MW.
- d. The Illinois EPA has determined that the affected turbines are not subject to 40 CFR Part 64, Compliance Assurance Monitoring (CAM) for Major Stationary Sources, because the affected turbines do not use an add-on control device to achieve compliance with an emission limitation or standard.

7.1.5 Operational and Production Limits and Work Practices

- a. At all times, including periods of startup, shutdown, and malfunction, the Permittee shall, to the extent practicable, maintain and operate any affected turbine in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Illinois EPA or the USEPA which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source [40 CFR 60.11(d)].
- b.
 - i. The affected gas turbines shall only be fired with natural gas.
 - ii. Rated heat input capacity shall not exceed 72.7 million Btu/hr for the affected larger turbine (ENG-10) and 16.75 million Btu/hr for each of the affected smaller turbine (ENG-1 through ENG-9) (based on lower heating value of the natural gas, determined at 60°F). (T1)
 - iii. Each of the nine smaller affected turbines (ENG-1 through ENG-9) shall not operate for more than 4,380 hr/yr average (total of 39,420 hours per year combined). (T1)

7.1.6 Emission Limitations

In addition to Condition 5.2.2 and the source wide emission limitations in Condition 5.5, the affected turbines are subject to the following:

- a.
 - i. Emissions from the affected larger turbine (ENG-10) shall not exceed the following limits: (T1)

Pollutants	<u>Lb/Hr</u>
NO _x	8.79
CO	10.70
SO ₂	0.33
VOM	0.20
PM	0.64
 - ii. The affected larger turbine (ENG -10) shall be equipped, operated and maintained with dry low-NO_x burners.
 - iii. Hourly emissions of NO_x and CO shall not exceed 0.100 lb/million Btu and 0.122 lb/million Btu, respectively. (These limits are equivalent to emission rate of 0.51 and 0.63 grams per horsepower-hour, respectively).

- b. i. Emissions from each affected smaller turbine (ENG-1 through ENG-9) shall not exceed the following limits: (T1)

Pollutants	<u>Lb/Hr/Turbine</u>
NO _x	7.36
CO	16.29
SO ₂	0.063
VOM	0.039
PM	0.121

- ii. The Permittee shall minimize operation of the affected smaller turbines below the preferred operating rate, which is 12 million Btu per hour percent load and higher (equivalent to 70 percent load and higher).
- iii. A. Hourly emissions of CO from the each affected smaller turbine when it is operating in the preferred operating range shall not exceed the following limits expressed in pound per million Btu per hour:
 - I. 0.44 lb/million Btu if the ambient temperature is 75°F or above (This limit is equivalent to 2.2 gm/Hp-hr);
 - II. 0.9 lb/million Btu if the ambient temperature is less than 75°F but greater than 25°F (This limit is equivalent to 4.5 gm/Hp-hr); and
 - III. 1.4 lb/million Btu if the ambient temperature is 25°F or below (This limit is equivalent to 6.7 gm/Hp-hr).
- B. When operating outside the preferred operating range CO emissions shall not exceed 2.054 lb/million Btu (This limit is equivalent to 11.25 gm/Hp-hr).
- iv. Emission of NO_x from the each affected smaller turbine when it is operating in the preferred operating range shall not exceed 0.439 lb/million Btu (This limit is equivalent to 2.15 gm/Hp-hr).

Note: The above requirements for emission of CO and NO_x in Conditions 7.1.6(a) and (b) represent the application of the Best Available Control Technology (BACT) as required by Section 165 of the Clean Air Act. These requirements and the requirements for other pollutants in these Conditions and the limitation in Condition 7.1.6(c), were established pursuant to Permit 01030010, because the source has been considered a major source for purposes of PSD for the

construction of new engine unit #10 (Solar Taurus Turbine) and upgrading engine units #1 through 9 (Solar Saturn Turbines) at the source.

- c. Annual emissions from the affected turbines (ENG-1 through ENG-10) shall not exceed the following limits: (T1)

Pollutants	<u>Ton/Yr</u>
NO _x	183.6
CO	368
SO ₂	2.67
VOM	4.93
PM	5.18

These limits are based on the maximum operating rate and continuous operation, 8,760 hr/yr for the affected larger turbine (ENG-10) and 39,420 hr/yr total for the nine affected smaller turbines (ENG-1 through ENG-9).

The VOM limit also addressed blowdowns, which are not addressed by the emission limits in Conditions 7.1.6(a) and (b).

7.1.7 Testing Requirements

- a. i. Within 60 days of the written request by the Illinois EPA , or the date agreed upon by the Illinois EPA, which ever is later, the Permittee shall measure the nitrogen oxides (NO_x) and carbon monoxide (CO) concentrations in the exhaust of the affected turbines by an approved independent testing service.
- ii. If a substitute turbine is installed that has not previously been tested (see Condition 7.1.11), within 60 days after operating the substitute turbine at the greatest load at which it will normally be operated but not later than 80 days of its initial startup.
- b. NO_x and CO emissions shall be measured at peak load, one intermediate load level and at the lowest load readily achieved during testing. VOM emissions shall also be taken at this lowest load.
- c. The following USEPA methods and procedures shall be used for testing of emissions. For each affected turbine, measurement of NO_x, CO, and VOM emissions shall be conducted and data collected in accordance with the test methods and procedures specified in 40 CFR 60.335, unless USEPA approves alternative procedures for testing:

Location of Sample Points	USEPA Method 1 or 19
Gas Flow and Velocity	USEPA Method 2 or 19
Flue Gas Weight	USEPA Method 3 or 3A or 19
Moisture	USEPA Method 4 or 19
Nitrogen Oxides	USEPA Method 20
Carbon Monoxide	USEPA Method 10
Volatile Organic Material	USEPA Method 25A

- d. At least 60 days prior to the actual date of testing, a written test plan shall be submitted to the Illinois EPA for review. This plan shall describe the specific procedures for testing and shall include as a minimum:
 - i. The person(s) who will be performing sampling and analysis and their experience with similar tests.
 - ii. The specific conditions under which testing shall be performed including a discussion of why these conditions will be representative of maximum emissions and the means by which the operating parameters for the turbine will be tracked and recorded.
 - iii. The specific determinations of emissions that are intended to be made, including sampling and monitoring locations. As part of this plan, the Permittee may set forth a proposal for approval by the performing emission testing of selected turbines provided that all turbines are fitted for testing; the identity of the turbine to be tested is determined immediately before testing, by the Illinois EPA or otherwise randomly.
 - iv. The test method(s), which will be used, with the specific analysis method, if the method can be used with different analysis methods.
- e. The Illinois EPA shall be notified prior to these tests to enable it to observe these tests. Notification for the expected date of testing shall be submitted a minimum of 30 days prior to the expected date. Notification of the actual date and expected time of testing shall be submitted a minimum of 5 working days prior to the actual date of the test. The Illinois EPA may at its discretion accept notifications with shorter advance notice provided that the Illinois EPA will not accept such notifications if it interferes with the Illinois EPA's ability to observe testing.
- f. Three copies of the Final Reports for these tests shall be forwarded to the Illinois EPA, within 60 days after the completion of testing. The Final Report from testing shall contain a minimum:
 - i. A summary of results;
 - ii. General information;

- iii. Description of test method(s), including a description of sampling points, sampling train, analysis equipment, and test schedule;
- iv. Detailed description of test conditions, including:
 - A. Fuel consumption (standard ft³);
 - B. Firing rate (million Btu/hr); and
 - C. Ambient temperature.
- v. Data and calculations, including copies of all raw data sheets and records of laboratory analysis, sample calculations, and data on equipment calibration.

7.1.8 Monitoring Requirements

- a. Each affected turbine shall be equipped, operated, and maintained with a continuous monitoring system to monitor and record the fuel consumption, pursuant to 40 CFR 60.334(a)
- b.
 - i. The Permittee shall monitor sulfur content of the natural gas fired in the affected turbines pursuant to the applicable provisions in 40 CFR 60.334(b).
 - ii. Monitoring of fuel nitrogen content is not required, as natural gas is the only fuel fired in the affected turbines.
 - iii. The above provisions establish a custom schedule for determination of sulfur and nitrogen content in accordance with 40 CFR 60.334(b) and USEPA approved Custom Fuel Monitoring Plan.

7.1.9 Recordkeeping Requirements

In addition to the records required by Condition 5.6, the Permittee shall maintain records of the following items for the each affected turbine pursuant to Section 39.5(7) (b) of the Act:

- a. Operating Records
 - i. An operating log for each affected turbine, including hours of operation, firing rate, ambient temperature, number of startups and blowdowns totaled per month and per year;
 - ii. Natural gas usage (ft³/mo and ft³/yr);

- iii. Heat content of the natural gas (Btu/ft³) fired in affected turbines, with supporting documentation, on a quarterly basis; and
 - iv. The sulfur content of the natural gas fired in affected turbines monitored in accordance with Condition 7.1.8(b);
- b. Emission Records
 - i. Monthly and annual aggregate NO_x, SO₂, PM, CO, and VOM emissions from the affected turbines with supporting calculations, including emissions from startups and blowdowns (ton/month and ton/yr); and
- c. Excess Emission Records

The Permittee shall keep the records to identify the following events, accompanied by a description of the event:

 - i. Pursuant to 40 CFR 60.334(c), periods of excess emissions for sulfur dioxide that shall be recorded and reported are defined as follows:
 - Any daily period during which the sulfur content of the fuel being fired in the affected turbines exceeds 0.8 percent; and
 - ii. Any day in which emissions of NO_x from the affected turbines exceeded an applicable standard or limit.
- d. An inspection, maintenance, and repair log for each affected turbine, listing each activity performed with date.

7.1.10 Reporting Requirements

- a. The Permittee shall comply with applicable reporting requirements of the NSPS, 40 CFR 60.7(a) and (b), and 60.334(c) for each affected turbine.
 - i. The Permittee shall submit quarterly report for periods of excess emissions as follows. These reports shall be postmarked by no later than 30 days following the end of each calendar quarter. The report shall include a description of each incident and a discussion of the probable cause of excess emission, any corrective actions taken and any preventive measures taken pursuant to Section 39.5(7)(f)(ii) of the Act.
 - A. Any daily period during which the sulfur content of the fuel being fired in each

affected gas turbine exceeds 0.8 percent as measured in accordance with 7.1.8(b);

- B. Any one-hour period during which the average NO_x emissions as calculated in accordance with Condition 7.1.12(b) exceeds the NO_x emission limits set by Condition 7.1.6(a) and (b);
 - C. Notwithstanding the above, if USEPA approves alternative monitoring requirements under the NSPS, the Permittee shall comply with applicable reporting requirements established by USEPA as part of such approval; and
 - D. If there were no excess emissions, the report shall state there were no exceedance.
- ii. For each affected turbine, the Permittee shall promptly notify the Illinois EPA as specified below, of other deviations with the permit requirements and emission limitations not addressed above, pursuant to Section 39.5(7)(f)(ii) of the Act:
- A. Notification within 60 days of operation of affected turbine that may not have been compliance with the opacity limitations in Condition 5.2.2(b), other than during startup as determined from the records required by Condition 7.1.9(b), with a copy of such record for each incident; and
 - B. Within 30 days of any other exceedance of the requirements of this permit, as determined by the records required by the conditions 5.6 and 7.1.9, a report including the emissions released in accordance with the recordkeeping requirements, a copy of relevant records, and a description of the exceedance or violation and steps taken to reduce emissions and future occurrences.

7.1.11 Operational Flexibility/Anticipated Operating Scenarios

This permit is issued based on, the Permittee is also authorized to construct and operate a "substitute turbine" in the place of an affected turbine, subject to the following;

- a. For this purpose, a substitute turbine means a model of turbine that is identical or similar to the affected larger turbine (ENG-10) or the affected smaller turbine (ENG-1 through ENG-9), as appropriate,

that has a heat input equal to or less than the affected turbines and that is provided by the turbine supplier as part of an established contractual agreement with the Permittee for support of the installed turbines.

- b. The Permittee shall notify the Illinois EPA within 30 days of installing a substitute turbine. This notification shall identify the substitute turbine, including model number, rated heat input capacity (LHV at 60°F) and serial number, description of the circumstance of the previously installed turbine and the nature of the maintenance or repairs that are expected to be performed. This notification shall also include a copy of the emission test report for the substitute turbine, if emission testing has previously been performed on the substitute turbine. (If the substitute turbine has undergone reconstruction since it was last tested, additional emission testing may still be required (See Condition 7.1.7(a) (ii))
- c. No more than 10 turbines shall operate at any time.

7.1.12 Compliance Procedures

- a. Compliance with Condition 7.1.3(c) (ii) is demonstrated by the monitoring requirements of Condition 7.1.8 and by the recordkeeping requirements of 7.1.9.
- b.
 - i. Compliance with the emission limits in Condition 7.1.6 shall be based on the recordkeeping requirements in Condition 7.1.9 and;
 - ii. For NO_x and CO, the emission factors and rates developed from site-specific testing for pollutants for which testing has been performed, or published emission factors, or approved manufacturer's data, providing that if the affected turbines are properly operated.
 - iii. For SO₂, the sulfur content of natural gas as determined in accordance with Condition 7.1.8.
 - iv. For VOM and PM, appropriate emission factors, e.g., the emission factor from AP-42 Table 3.1-2a (7/2000) or turbine specific factors.
- c. Blowdown Emissions

Emission of VOM from blowdown of the turbine, as required prior to startup of a turbine, shall be based on the following factors unless alternative data is more appropriate: (T1)

i. New turbine

13 thousand scf/blowdown x 0.9 lb VOM/thousand
scf gas = 11 lb VOM/blowdown

VOM emissions (lb/yr) = 11 lb VOM/blowdown x
(number of blowdowns per year)

ii. Existing turbines

4.38 thousand scf/blowdown x 0.9lb
VOM/thousand scf gas = 3.94 lb
VOM/blowdown/turbine

VOM emissions (lb/yr) = 3.94 lb VOM/blowdown x
(number of combined nine turbines blowdowns
per year)

8.0 GENERAL PERMIT CONDITIONS

8.1 Permit Shield

Pursuant to Section 39.5(7)(j) of the Act, the Permittee has requested and has been granted a permit shield. This permit shield provides that compliance with the conditions of this permit shall be deemed compliance with applicable requirements which were applicable as of the date the proposed permit for this source was issued, provided that either the applicable requirements are specifically identified within this permit, or the Illinois EPA, in acting on this permit application, has determined that other requirements specifically identified are not applicable to this source and this determination (or a concise summary thereof) is included in this permit.

This permit shield does not extend to applicable requirements which are promulgated after _____ **{insert public notice start date}** (the date of issuance of the draft permit) unless this permit has been modified to reflect such new requirements.

8.2 Applicability of Title IV Requirements (Acid Deposition Control)

This source is not an affected source under Title IV of the CAA and is not subject to requirements pursuant to Title IV of the CAA.

8.3 Emissions Trading Programs

No permit revision shall be required for increases in emissions allowed under any USEPA approved economic incentives, marketable permits, emissions trading, and other similar programs or processes for changes that are provided for elsewhere in this permit and that are authorized by the applicable requirement [Section 39.5(7)(o)(vii) of the Act].

8.4 Operational Flexibility/Anticipated Operating Scenarios

8.4.1 Changes Specifically Addressed by Permit

Physical or operational changes specifically addressed by the Conditions of this permit that have been identified as not requiring Illinois EPA notification may be implemented without prior notice to the Illinois EPA.

8.4.2 Changes Requiring Prior Notification

The Permittee is authorized to make physical or operational changes that contravene express permit terms without applying for or obtaining an amendment to this permit, provided that [Section 39.5(12)(a)(i) of the Act]:

- a. The changes do not violate applicable requirements;
- b. The changes do not contravene federally enforceable permit terms or conditions that are monitoring

(including test methods), recordkeeping, reporting, or compliance certification requirements;

- c. The changes do not constitute a modification under Title I of the CAA;
- d. Emissions will not exceed the emissions allowed under this permit following implementation of the physical or operational change; and
- e. The Permittee provides written notice to the Illinois EPA, Division of Air Pollution Control, Permit Section, at least 7 days before commencement of the change. This notice shall:
 - i. Describe the physical or operational change;
 - ii. Identify the schedule for implementing the physical or operational change;
 - iii. Provide a statement of whether or not any New Source Performance Standard (NSPS) is applicable to the physical or operational change and the reason why the NSPS does or does not apply;
 - iv. Provide emission calculations which demonstrate that the physical or operational change will not result in a modification; and
 - v. Provide a certification that the physical or operational change will not result in emissions greater than authorized under the Conditions of this permit.

8.5 Testing Procedures

Tests conducted to measure composition of materials, efficiency of pollution control devices, emissions from process or control equipment, or other parameters shall be conducted using standard test methods if applicable test methods are not specified by the applicable regulations or otherwise identified in the condition of this permit. Documentation of the test date, conditions, methodologies, calculations, and test results shall be retained pursuant to the recordkeeping procedures of this permit. Reports of any tests conducted as required by this permit or as the result of a request by the Illinois EPA shall be submitted as specified in Condition 8.6.

8.6 Reporting Requirements

8.6.1 Monitoring Reports

Reports summarizing required monitoring as specified in the conditions of this permit shall be submitted to the Illinois EPA every six months as follows, unless more frequent submittal of such reports is required in Section 7 of this permit [Section 39.5(7)(f) of the Act]:

<u>Monitoring Period</u>	<u>Report Due Date</u>
January - June	September 1
July - December	March 1

All instances of deviations from permit requirements must be clearly identified in such reports. All such reports shall be certified in accordance with Condition 9.9.

8.6.2 Test Notifications

Unless otherwise specified elsewhere in this permit, a written test plan for any test required by this permit shall be submitted to the Illinois EPA for review at least 60 days prior to the testing pursuant to Section 39.5(7)(a) of the Act. The notification shall include at a minimum:

- a. The name and identification of the affected unit(s);
- b. The person(s) who will be performing sampling and analysis and their experience with similar tests;
- c. The specific conditions under which testing will be performed, including a discussion of why these conditions will be representative of maximum emissions and the means by which the operating parameters for the source and any control equipment will be determined;
- d. The specific determination of emissions and operation which are intended to be made, including sampling and monitoring locations;
- e. The test method(s) which will be used, with the specific analysis method, if the method can be used with different analysis methods;
- f. Any minor changes in standard methodology proposed to accommodate the specific circumstances of testing, with justification; and
- g. Any proposed use of an alternative test method, with detailed justification.

8.6.3 Test Reports

Unless otherwise specified elsewhere in this permit, the results of any test required by this permit shall be submitted to the Illinois EPA within 60 days of completion of the testing. The test report shall include at a minimum [Section 39.5(7)(e)(i) of the Act]:

- a. The name and identification of the affected unit(s);

- b. The date and time of the sampling or measurements;
- c. The date any analyses were performed;
- d. The name of the company that performed the tests and/or analyses;
- e. The test and analytical methodologies used;
- f. The results of the tests including raw data, and/or analyses including sample calculations;
- g. The operating conditions at the time of the sampling or measurements; and
- h. The name of any relevant observers present including the testing company's representatives, any Illinois EPA or USEPA representatives, and the representatives of the source.

8.6.4 Reporting Addresses

- a. Unless otherwise specified in the particular provision of this permit or in the written instructions distributed by the Illinois EPA for particular reports, reports and notifications shall be sent to the Illinois EPA - Air Compliance Section with a copy sent to the Illinois EPA - Air Regional Field Office.
- b. As of the date of issuance of this permit, the addresses of the offices that should generally be utilized for the submittal of reports and notifications are as follows:
 - i. Illinois EPA - Air Compliance Section

 Illinois Environmental Protection Agency (MC 40)
 Bureau of Air
 Compliance & Enforcement Section (MC 40)
 1021 North Grand Avenue East
 P.O. Box 19276
 Springfield, Illinois 62794-9276
 - ii. Illinois EPA - Air Regional Field Office

 Illinois Environmental Protection Agency
 Division of Air Pollution Control
 9511 West Harrison
 Des Plaines, Illinois 60016
 - iii. USEPA Region 5 - Air Branch

 USEPA (AR - 17J)
 Air & Radiation Division
 77 West Jackson Boulevard
 Chicago, Illinois 60604

- c. Permit applications should be addressed to the Air Permit Section. As of the date of issuance of this permit, the address of the Air Permit Section is as follows:

Illinois Environmental Protection Agency
Division of Air Pollution Control
Permit Section (MC 11)
1021 North Grand Avenue East
P.O. Box 19506
Springfield, Illinois 62794-9506

8.7 Obligation to Comply with Title I Requirements

Any term, condition, or requirement identified in this permit by T1, T1R, or T1N is established or revised pursuant to 35 IAC Part 203 or 40 CFR 52.21 ("Title I provisions") and incorporated into this permit pursuant to both Section 39.5 and Title I provisions. Notwithstanding the expiration date on the first page of this permit, the Title I conditions remain in effect pursuant to Title I provisions until the Illinois EPA deletes or revises them in accordance with Title I procedures.

9.0 STANDARD PERMIT CONDITIONS

9.1 Effect of Permit

9.1.1 The issuance of this permit does not release the Permittee from compliance with State and Federal regulations which are part of the Illinois State Implementation Plan, as well as with other applicable statutes and regulations of the United States or the State of Illinois or applicable ordinances, except as specifically stated in this permit and as allowed by law and rule [Section 39.5(7)(j)(iv) of the Act].

9.1.2 In particular, this permit does not alter or affect the following:

- a. The provisions of Section 303 (emergency powers) of the CAA, including USEPA's authority under that Section;
- b. The liability of an owner or operator of a source for any violation of applicable requirements prior to or at the time of permit issuance;
- c. The applicable requirements of the acid rain program consistent with Section 408(a) of the CAA; and
- d. The ability of USEPA to obtain information from a source pursuant to Section 114 (inspections, monitoring, and entry) of the CAA.

9.1.3 Notwithstanding the conditions of this permit specifying compliance practices for applicable requirements, any person (including the Permittee) may also use other credible evidence to establish compliance or noncompliance with applicable requirements.

9.2 General Obligations of Permittee

9.2.1 Duty to Comply

The Permittee must comply with all terms and conditions of this permit. Any permit noncompliance constitutes a violation of the CAA and the Act, and is grounds for any or all of the following: enforcement action, permit termination, revocation and reissuance, modification, or denial of a permit renewal application [Section 39.5(7)(o)(i) of the Act].

The Permittee shall meet applicable requirements that become effective during the permit term in a timely manner unless an alternate schedule for compliance with the applicable requirement is established.

9.2.2 Duty to Maintain Equipment

The Permittee shall maintain all equipment covered under this permit in such a manner that the performance or operation of such equipment shall not cause a violation of applicable requirements.

9.2.3 Duty to Cease Operation

No person shall cause, threaten or allow the continued operation of any emission unit during malfunction or breakdown of the emission unit or related air pollution control equipment if such operation would cause a violation of an applicable emission standard, regulatory requirement, ambient air quality standard or permit limitation unless this permit provides for such continued operation consistent with the Act and applicable Board regulations [Section 39.5(6)(c) of the Act].

9.2.4 Disposal Operations

The source shall be operated in such a manner that the disposal of air contaminants collected by the equipment operations, or activities shall not cause a violation of the Act or regulations promulgated thereunder.

9.2.5 Duty to Pay Fees

The Permittee must pay fees to the Illinois EPA consistent with the fee schedule approved pursuant to Section 39.5(18) of the Act, and submit any information relevant thereto [Section 39.5(7)(o)(vi) of the Act]. The check should be payable to "Treasurer, State of Illinois" and sent to: Fiscal Services Section, Illinois Environmental Protection Agency, P.O. Box 19276, Springfield, Illinois 62794-9276.

9.3 Obligation to Allow Illinois EPA Surveillance

Upon presentation of proper credentials and other documents, the Permittee shall allow the Illinois EPA, or an authorized representative to perform the following [Section 39.5(7)(a) and (p)(ii) of the Act and 415 ILCS 5/4]:

- a. Enter upon the Permittee's premises where an actual or potential emission unit is located; where any regulated equipment, operation, or activity is located or where records must be kept under the conditions of this permit;
- b. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
- c. Inspect during hours of operation any sources, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;
- d. Sample or monitor any substances or parameters at any location:

- i. At reasonable times, for the purposes of assuring permit compliance; or
 - ii. As otherwise authorized by the CAA, or the Act.
- e. Obtain and remove samples of any discharge or emission of pollutants authorized by this permit; and
- f. Enter and utilize any photographic, recording, testing, monitoring, or other equipment for the purposes of preserving, testing, monitoring, or recording any activity, discharge or emission at the source authorized by this permit.

9.4 Obligation to Comply With Other Requirements

The issuance of this permit does not release the Permittee from applicable State and Federal laws and regulations, and applicable local ordinances addressing subjects other than air pollution control.

9.5 Liability

9.5.1 Title

This permit shall not be considered as in any manner affecting the title of the premises upon which the permitted source is located.

9.5.2 Liability of Permittee

This permit does not release the Permittee from any liability for damage to person or property caused by or resulting from the construction, maintenance, or operation of the sources.

9.5.3 Structural Stability

This permit does not take into consideration or attest to the structural stability of any unit or part of the source.

9.5.4 Illinois EPA Liability

This permit in no manner implies or suggests that the Illinois EPA (or its officers, agents or employees) assumes any liability, directly or indirectly, for any loss due to damage, installation, maintenance, or operation of the source.

9.5.5 Property Rights

This permit does not convey any property rights of any sort, or any exclusive privilege [Section 39.5(7) (o) (iv) of the Act].

9.6 Recordkeeping

9.6.1 Control Equipment Maintenance Records

A maintenance record shall be kept on the premises for each item of air pollution control equipment. As a minimum, this record shall show the dates of performance and nature of preventative maintenance activities.

9.6.2 Records of Changes in Operation

A record shall be kept describing changes made at the source that result in emissions of a regulated air pollutant subject to an applicable requirement, but not otherwise regulated under this permit, and the emissions resulting from those changes [Section 39.5(12) (b) (iv) of the Act].

9.6.3 Retention of Records

- a. Records of all monitoring data and support information shall be retained for a period of at least 5 years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records, original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit [Section 39.5(7) (e) (ii) of the Act].
- b. Other records required by this permit shall be retained for a period of at least 5 years from the date of entry unless a longer period is specified by a particular permit provision.

9.7 Annual Emissions Report

The Permittee shall submit an annual emissions report to the Illinois EPA, Compliance Section no later than May 1 of the following year, as required by 35 IAC Part 254.

9.8 Requirements for Compliance Certification

Pursuant to Section 39.5(7) (p) (v) of the Act, the Permittee shall submit annual compliance certifications. The compliance certifications shall be submitted no later than May 1 or more frequently as specified in the applicable requirements or by permit condition. The compliance certifications shall be submitted to the Air Compliance Section, Air Regional Field Office, and USEPA Region 5 - Air Branch. The addresses for the submittal of the compliance certifications are provided in Condition 8.6.4 of this permit.

- a. The certification shall include the identification of each term or condition of this permit that is the basis of the certification; the compliance status; whether compliance was continuous or intermittent; the method(s) used for determining the compliance status of the source, both

currently and over the reporting period consistent with the conditions of this permit.

- b. All compliance certifications shall be submitted to USEPA Region 5 in Chicago as well as to the Illinois EPA.
- c. All compliance reports required to be submitted shall include a certification in accordance with Condition 9.9.

9.9 Certification

Any document (including reports) required to be submitted by this permit shall contain a certification by a responsible official of the Permittee that meets the requirements of Section 39.5(5) of the Act [Section 39.5(7) (p) (i) of the Act]. An example Certification by a Responsible Official is included as an attachment to this permit.

9.10 Defense to Enforcement Actions

9.10.1 Need to Halt or Reduce Activity Not a Defense

It shall not be a defense for the Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit [Section 39.5(7) (o) (ii) of the Act].

9.10.2 Emergency Provision

- a. An emergency shall be an affirmative defense to an action brought for noncompliance with the technology-based emission limitations under this permit if the following conditions are met through properly signed, contemporaneous operating logs, or other relevant evidence:

- i. An emergency occurred as provided in Section 39.5(7) (k) of the Act and the Permittee can identify the cause(s) of the emergency.

Note: For this purpose, emergency means a situation arising from sudden and reasonably unforeseeable events beyond the control of the source, as further defined by Section 39.5(7) (k) (iv) of the Act.

- ii. The permitted source was at the time being properly operated;
- iii. The Permittee submitted notice of the emergency to the Illinois EPA within two working days of the time when emission limitations were exceeded due to the emergency. This notice must contain a detailed description of the emergency, any

steps taken to mitigate emissions, and corrective actions taken; and

- iv. During the period of the emergency the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission limitations, standards, or regulations in this permit.
- b. This provision is in addition to any emergency or upset provision contained in any applicable requirement. This provision does not relieve a Permittee of any reporting obligations under existing federal or state laws or regulations.

9.11 Permanent Shutdown

This permit only covers emission units and control equipment while physically present at the indicated source location(s). Unless this permit specifically provides for equipment relocation, this permit is void for the operation or activity of any item of equipment on the date it is removed from the permitted location(s) or permanently shut down. This permit expires if all equipment is removed from the permitted location(s), notwithstanding the expiration date specified on this permit.

9.12 Reopening and Reissuing Permit for Cause

9.12.1 Permit Actions

This permit may be modified, reopened, and reissued, for cause pursuant to Section 39.5(15) of the Act. The filing of a request by the Permittee for a permit modification, revocation, and reissuance, termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition [Section 39.5(7)(o)(iii) of the Act].

9.12.2 Reopening and Revision

This permit must be reopened and revised if any of the following occur [Section 39.5(15)(a) of the Act]:

- a. Additional requirements become applicable to the equipment covered by this permit and three or more years remain before expiration of this permit;
- b. Additional requirements become applicable to an affected source for acid deposition under the acid rain program;
- c. The Illinois EPA or USEPA determines that this permit contains a material mistake or inaccurate statement when establishing the emission standards or limitations, or other terms or conditions of this permit; and

- d. The Illinois EPA or USEPA determines that this permit must be revised to ensure compliance with the applicable requirements of the Act.

9.12.3 Inaccurate Application

The Illinois EPA has issued this permit based upon the information submitted by the Permittee in the permit application. Any misinformation, false statement or misrepresentation in the application shall be grounds for revocation under Section 39.5(15)(b) of the Act.

9.12.4 Duty to Provide Information

The Permittee shall furnish to the Illinois EPA, within a reasonable time specified by the Illinois EPA any information that the Illinois EPA may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. Upon request, the Permittee shall also furnish to the Illinois EPA copies of records required to be kept by this permit, or for information claimed to be confidential, the Permittee may furnish such records directly to USEPA along with a claim of confidentiality [Section 39.5(7)(o)(v) of the Act].

9.13 Severability Clause

The provisions of this permit are severable, and should any one or more be determined to be illegal or unenforceable, the validity of the other provisions shall not be affected. The rights and obligations of the Permittee shall be construed and enforced as if this permit did not contain the particular provisions held to be invalid and the applicable requirements underlying these provisions shall remain in force [Section 39.5(7)(i) of the Act].

9.14 Permit Expiration and Renewal

The right to operate terminates on the expiration date unless the Permittee has submitted a timely and complete renewal application. For a renewal to be timely it must be submitted no later than 9 and no sooner than 12 months prior to expiration. The equipment may continue to operate during the renewal period until final action is taken by the Illinois EPA, in accordance with the original permit conditions [Section 39.5(5)(l), (n), and (o) of the Act].

10.0 ATTACHMENTS

10.1 Attachment 1 Example Certification by a Responsible Official

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature: _____

Name: _____

Official Title: _____

Telephone No.: _____

Date Signed: _____

10.2 Attachment 2 Guidance

The Illinois has prepared guidance for sources on the Clean Air Act Permit Program (CAAPP) that is available on the Internet site maintained by the Illinois EPA, www.epa.state.il.us. This guidance includes instructions on applying for a revision or renewal of the CAAPP permit.

Guidance On Revising A CAAPP Permit:

www.epa.state.il.us/air/caapp/caapp-revising.pdf

Guidance On Renewing A CAAPP Permit:

www.epa.state.il.us/air/caapp/caapp-renewing.pdf

The application forms prepared by the Illinois EPA for the CAAPP are also available from the Illinois EPA's Internet site:

www.epa.state.il.us/air/caapp/index.html

These CAAPP application forms should also be used by a CAAPP source when it applies for a construction permit. For this purpose, the appropriate CAAPP application forms and other supporting information, should be accompanied by a completed Application For A Construction Permit Form (CAAPP Form-199).

Application For A Construction Permit Form (CAAPP Form-199):

www.epa.state.il.us/air/caapp/199-caapp.pdf

